

California Division of Mines and Geology

Supplement No. 2 to Fault Evaluation Report FER-76

April 18, 1979

1. Fault

Elsinore (Wildomar and Wolf Valley strands).

2. Other references

Fairchild Aerial Surveys, 1939, C-5750, Black and white No's 211-27 to 33 and 211-73 to 87, scale 1: 21,800.

U.S. Department of Agriculture, 1953, Black and white aerial photographs, vertical, scale 1:20,000, Series AXM-1K-146 to 151, 156 to 163, 168-179; 2K-36 to 46, 53 to 62, 127 to 135, 147 to 156; 5K-28 to 38, 44 to 53, 100 to 109. (Photos on file with Michael Kennedy).

6. Interpretation of aerial photos

Interpretation of U.S. Department of Agriculture (1953), Fairchild (1939), and USGS (1975) aerial photos was done to identify those fault traces that are well-defined and most recent. The attached map (figure 1) shows those traces; the main features on which the fault interpretations were made are noted on the map.

These traces approximate the principal traces shown by Kennedy (1977, pl. 1) but differ in detail. Specifically, the main traces of the Wildomar fault and the south end of the Wolf Valley fault are associated with well-defined topographic features that are assumed to be Holocene in age. The other faults of Kennedy either appear to be associated with older degraded features or could not be verified on the aerial photos.

9. Conclusions

This air photo interpretation identifies the most active strands of the Elsinore fault zone between Lake Elsinore and the south boundary of Riverside

County. Other faults may be active (i.e. Holocene) but they are not obvious. The faults identified on Figure 1 are well-defined.

10. Recommendations

Based on this study and the work of Kennedy (1977), the Wildomar fault and the southerlymost segment of the Wolf Valley fault meet the criteria of "sufficiently active and well defined" and, therefore, warrant zoning under the Alquist-Priolo Act. Special Studies Zones should be based on fault traces shown in this supplement (figure 1) and on some of the related traces of Kennedy (1977, pl. 1).

11. Investigation by R.B. Saul, 4/18/79

*Richard B. Saul*

*I agree with  
recommendations.  
E. Holt  
5/4/79*